

Track 2: Advanced Biofuels: Current Innovations



“Advanced Biofuels” are required to meet RFS

- ▶ All biofuels excluding ethanol from corn starch
- ▶ Must display a $\geq 50\%$ GHG reduction (from baseline)**
- ▶ 2009 target inception date
- ▶ 21 BGY mandated minimum blending volume by 2022

Applicable “Advanced Biofuels”	Minimum GHG Reduction (from baseline)**	Target Inception Date	2022 Mandated Minimum Blending Volume (BGY)
Cellulosic Biofuels – Cellulosic Ethanol Biobutanol Green Diesel Green Gasoline	60%	2010	16 BGY
Biomass-based Diesel	50%	2009	1 BGY

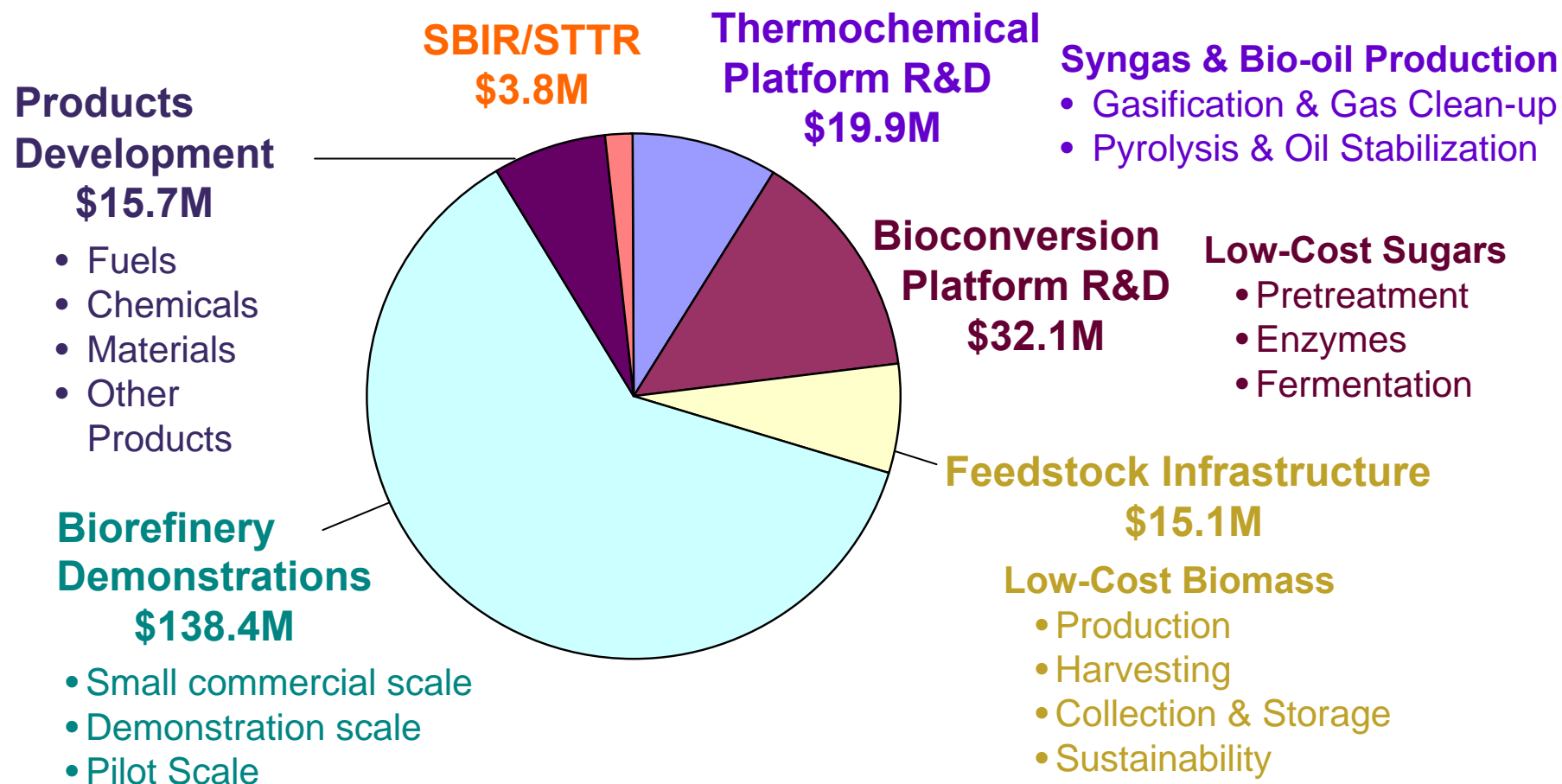
* EISA; Title II; Subtitle A; Sections 201 and 202

** Average lifecycle greenhouse emissions as determined by EPA Administrator for gasoline or diesel (whichever is being replaced by the renewable fuel) sold or distributed as transportation fuel in 2005

Office of Biomass Program Plan for FY 2009



Biomass Budget Request, by Technology Area



Session Goal and Speakers



☐ Virent Energy Systems

Randy D. Cortright, Ph.D., CTO, Founder and Executive Vice President

☐ Gevo Inc

David Glassner, Ph.D., Vice President, Bioprocessing and Engineering

☐ UOP LLC

Jennifer Holmgren, General Manager, Renewable Energy and Chemicals

☐ INEOS Bio

Mark Neiderschulte, Ph.D. Chief Operating Officer

☐ LS9, Inc.

Gregory Pal, Senior Director of Corporate Development

Q&A to follow presentations